

WHAT IS CLAIMED IS:

1. A retransmission control method comprising the steps of:

- 5 base stations receiving a signal sent from a mobile station;
- each of said base stations performing error judgment for said signal sent from said mobile station;
- 10 a corresponding base station of a communication partner of said mobile station obtaining results of error judgment of said corresponding base station and other base stations;
- said corresponding base station sending a
- 15 response which indicates that retransmission is not required to said mobile station when said results includes a result indicating no error; and
- said corresponding base station returning a response which indicates that retransmission is
- 20 required to said mobile station when every result in said results indicates that there is an error.

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2. A retransmission control method comprising the steps of:

- base stations receiving a signal sent from a mobile station;
- 30 each of said base stations performing error judgment for said signal sent from said mobile station;
- said base stations exchanging results of said error judgment with one another;
- 35 a corresponding base station sending a response which indicates that retransmission is not required to said mobile station when results of said

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error judgment of said base stations include a result indicating no error; and

5 said corresponding base station returning a response which indicates that retransmission is required to said mobile station when every result of said error judgment of said base stations indicates that there is an error.

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15 3. The retransmission control method as claimed in claim 2, wherein a received signal power level of said signal in said corresponding base station is the largest among received signal power levels in said base stations.

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20 4. A retransmission control apparatus in a base station, comprising:
25 a part receiving a signal sent from a mobile station;
 a part performing error judgment for said signal sent from said mobile station;
 a part obtaining results of error judgment of said base station and other base stations;
 a part sending a response which indicates 30 that retransmission is not required to said mobile station when said results includes a result indicating no error; and
 a part sending a response which indicates 35 that retransmission is required to said mobile station when every result in said results indicates that there is an error.

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- 5 5. A retransmission control apparatus in a
base station, comprising:
 - a part receiving a signal sent from a mobile station;
 - a part performing error judgment for said signal sent from said mobile station;
 - 10 a part exchanging results of said error judgment with other base stations;
 - a part returning a first response which indicates that retransmission is not required to said mobile station when results of said error judgment of said base station and said other base stations include a result indicating no error; and
 - 15 a part returning a second response which indicates that retransmission is required to said mobile station when every result of said error judgment of said base station and said other base stations indicates that there is an error.

25 6. The retransmission control apparatus as
claimed in claim 5, wherein said first response or
said second response is sent to said mobile station
when a received signal power level of said signal in
30 said base station is larger than any received signal
power level in said other base stations.